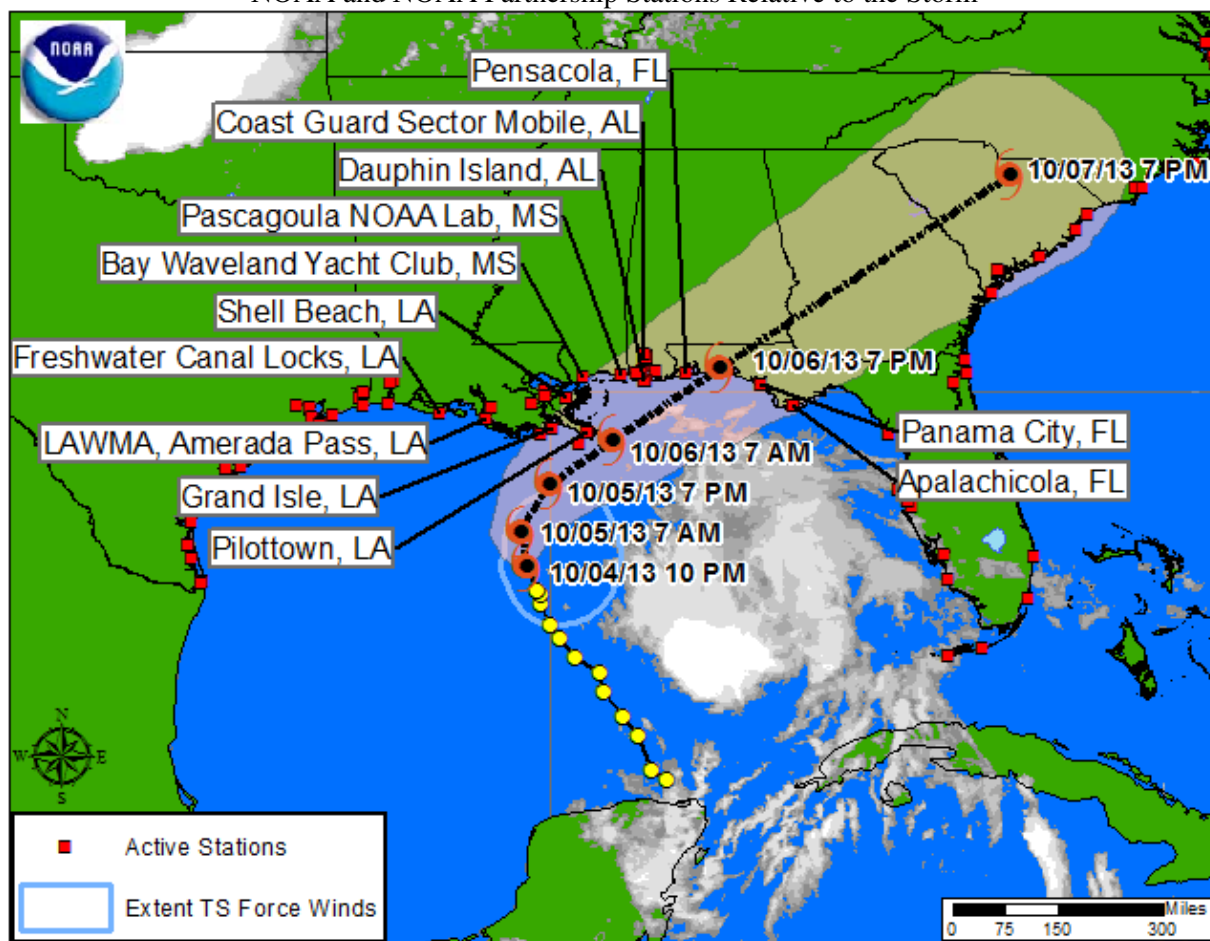


Tropical Storm KAREN QuickLook
Posted: 23:00 CDT 10/04/2013

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/04/2013 23:00 CDT, water levels across the northern Gulf of Mexico from southeast Louisiana to the Florida panhandle are elevated and range between 0.7 and 1.9 feet above predicted tide levels. Winds are measuring between 5 and 15 knots along the northern Gulf coast. Barometric pressure is steady across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur. Water level predictions relative to Mean Lower Low Water (MLLW) are:

Pilottown, LA: Next predicted high tides are 0.9 ft (0.26 m) at 10/05/2013 23:00 CDT and 1.0 ft (0.30 m) at 10/06/2013 23:25 CDT.

Grand Isle, LA: Next predicted high tides are 1.3 ft (0.40 m) at 10/05/2013 22:38 CDT and 1.4 ft (0.44 m) at

Tropical Storm KAREN QuickLook, POSTED 23:00 CDT 10/04/2013

10/06/2013 23:11 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.1 ft (0.35 m) at 10/05/2013 03:48 CDT and 1.4 ft (0.44 m) at 10/05/2013 17:32 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 1.6 ft (0.50 m) at 10/05/2013 02:22 CDT and 2.0 ft (0.63 m) at 10/05/2013 15:34 CDT.

Shell Beach, LA: Next predicted high tides are 1.1 ft (0.32 m) at 10/05/2013 03:54 CDT and 0.9 ft (0.28 m) at 10/05/2013 19:56 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.6 ft (0.50 m) at 10/05/2013 00:34 CDT and 1.8 ft (0.57 m) at 10/06/2013 00:42 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.3 ft (0.40 m) at 10/05/2013 22:11 CDT and 1.5 ft (0.46 m) at 10/06/2013 22:44 CDT.

Dauphin Island, AL: Next predicted high tides are 1.5 ft (0.44 m) at 10/05/2013 22:59 CDT and 1.6 ft (0.49 m) at 10/06/2013 23:34 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.3 ft (0.40 m) at 10/06/2013 00:04 CDT and 0.0 ft (0.00 m) at CDT.

Pensacola, FL: Next predicted high tides are 1.5 ft (0.46 m) at 10/05/2013 23:31 CDT and 0.0 ft (0.00 m) at CDT.

Panama City, FL: Next predicted high tides are 1.5 ft (0.46 m) at 10/05/2013 22:33 CDT and 1.6 ft (0.51 m) at 10/06/2013 23:05 CDT.

Apalachicola, FL: Next predicted high tides are 1.8 ft (0.54 m) at 10/05/2013 03:57 EDT and 1.7 ft (0.53 m) at 10/05/2013 17:34 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM KAREN ADVISORY NUMBER 8
1000 PM CDT FRI OCT 04 2013

...KAREN LOSING PUNCH IN THE CENTRAL GULF OF MEXICO...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* MORGAN CITY LOUISIANA TO THE MOUTH OF THE PEARL RIVER

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* METROPOLITAN NEW ORLEANS

* LAKE MAUREPAS

* LAKE PONTCHARTRAIN

* EAST OF THE MOUTH OF THE PEARL RIVER TO INDIAN PASS FLORIDA

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS ELSEWHERE ALONG THE NORTHEASTERN COAST OF THE GULF OF MEXICO SHOULD MONITOR THE PROGRESS OF KAREN.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 PM CDT THE CENTER OF TROPICAL STORM KAREN WAS LOCATED ABOUT 205 MI SSW OF THE MOUTH OF THE MISSISSIPPI RIVER AND ABOUT 230 MI S OF MORGAN CITY LOUISIANA. KAREN IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 7 MPH. A TURN TOWARD THE NORTH WITH A DECREASE IN FORWARD SPEED IS FORECAST ON SATURDAY AND A TURN TOWARD THE NORTHEAST WITH AN INCREASE IN FORWARD SPEED IS EXPECTED ON SUNDAY. ON THE FORECAST TRACK...THE CENTER OF KAREN IS ANTICIPATED TO BE NEAR THE COAST IN THE TROPICAL STORM WARNING AREA SATURDAY NIGHT.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 45 MPH WITH HIGHER GUSTS. THERE IS A CHANCE OF SLIGHT STRENGTHENING ON SATURDAY NIGHT.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES TO THE NORTH AND EAST OF THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE FROM A RECONNAISSANCE AIRCRAFT IS 1002 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN PORTIONS OF THE WARNING AREA BY SATURDAY AFTERNOON. TROPICAL STORM CONDITIONS ARE POSSIBLE IN PORTIONS OF THE WATCH AREA SATURDAY NIGHT AND SUNDAY.

STORM SURGE...THE COMBINATION OF STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

WEST OF THE MISSISSIPPI RIVER TO TERREBONNE BAY...1 TO 3 FT
MOUTH OF THE MISSISSIPPI RIVER TO THE PEARL RIVER...3 TO 5 FT
EAST OF THE PEARL RIVER TO WEST OF APALACHEE BAY...1 TO 3 FT
APALACHEE BAY INCLUDING CEDAR KEY...2 TO 4 FT
SOUTH OF APALACHEE BAY TO TAMPA BAY...1 TO 2 FT

THE HIGHEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST...WHERE THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

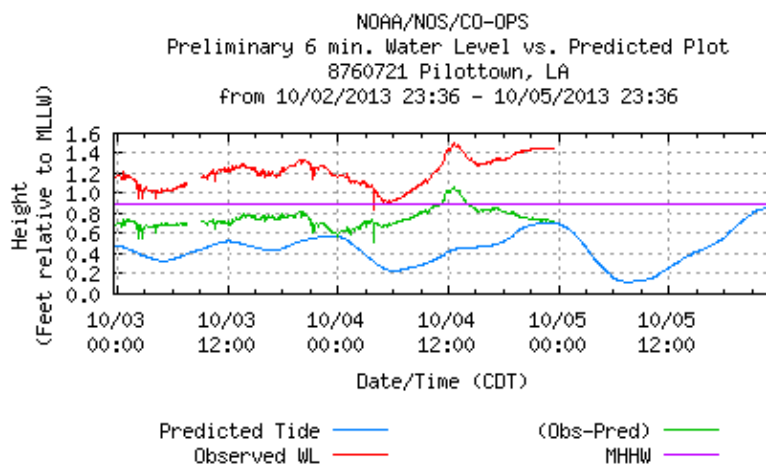
RAINFALL...KAREN IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 1 TO 3 INCHES OVER PORTIONS OF THE CENTRAL GULF COAST AND SOUTHEAST UNITED STATES THROUGH MONDAY EVENING...MAINLY NEAR AND TO THE RIGHT OF THE PATH OF THE CENTER. ISOLATED STORM TOTAL AMOUNTS OF 6 INCHES ARE POSSIBLE.

FORECASTER AVILA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

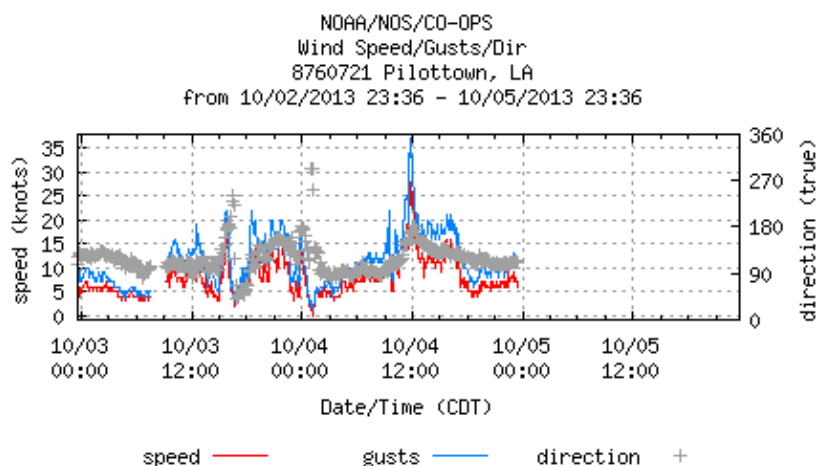
Jump to: [Pilottown - Water Level](#), [Pilottown - Winds](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#)

Pilottown, LA - Return to List



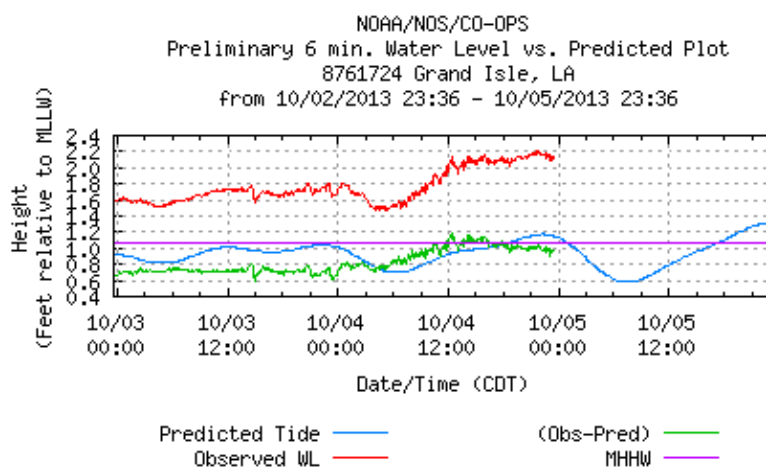
Last Observed Sample: 10/04/2013 23:30 (CDT)
Relative to MLLW: **Observed: 1.44 ft.** **Predicted: 0.71 ft.** **Residual: 0.73 ft.**
Historical Maximum Water Level: n/a

Pilottown, LA - Return to List



Last Observed Sample: 10/04/2013 23:30 (CDT)
Wind Speed: 6 knots **Gusts: 10 knots** Direction: 111° T

Grand Isle, LA - Return to List

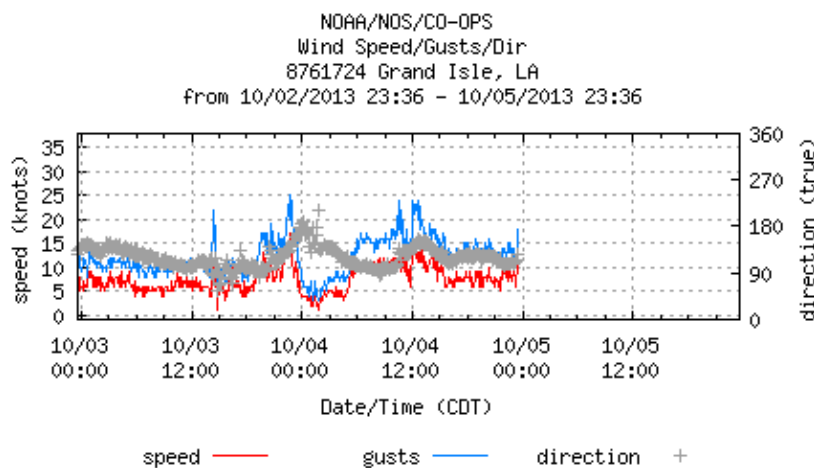


Last Observed Sample: 10/04/2013 23:30 (CDT)

Relative to MLLW: **Observed: 2.11 ft.** **Predicted: 1.15 ft.** **Residual: 0.96 ft.**

Historical Maximum Water Level: Aug 29 2005, 5.59 ft. above MLLW

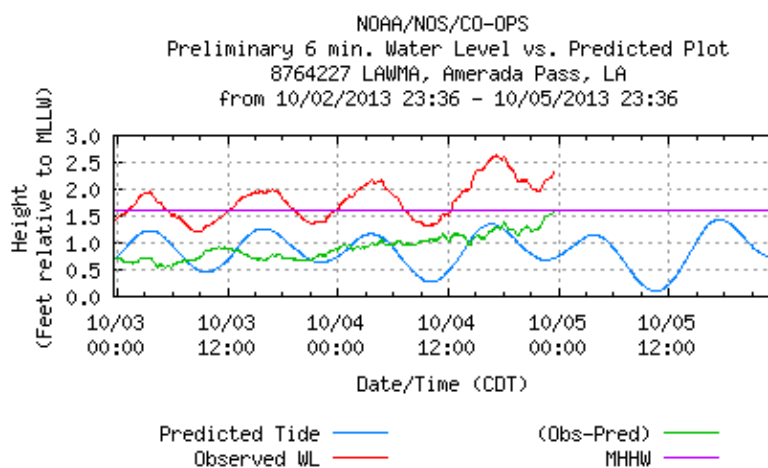
Grand Isle, LA - Return to List



Last Observed Sample: 10/04/2013 23:30 (CDT)

Wind Speed: 11 knots **Gusts: 18 knots** **Direction: 128° T**

LAWMA, Amerada Pass, LA - Return to List

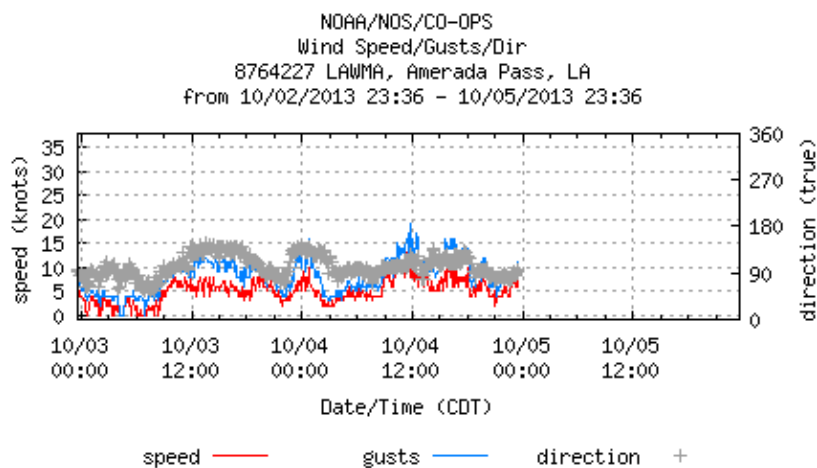


Last Observed Sample: 10/04/2013 23:30 (CDT)

Relative to MLLW: **Observed: 2.32 ft.** **Predicted: 0.72 ft.** **Residual: 1.60 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.50 ft. above MLLW

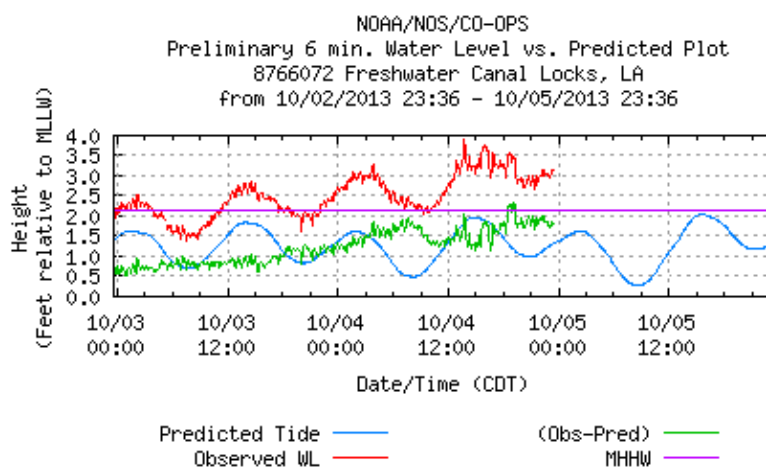
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 10/04/2013 23:30 (CDT)

Wind Speed: 8 knots **Gusts: 11 knots** **Direction: 94° T**

Freshwater Canal Locks, LA - Return to List

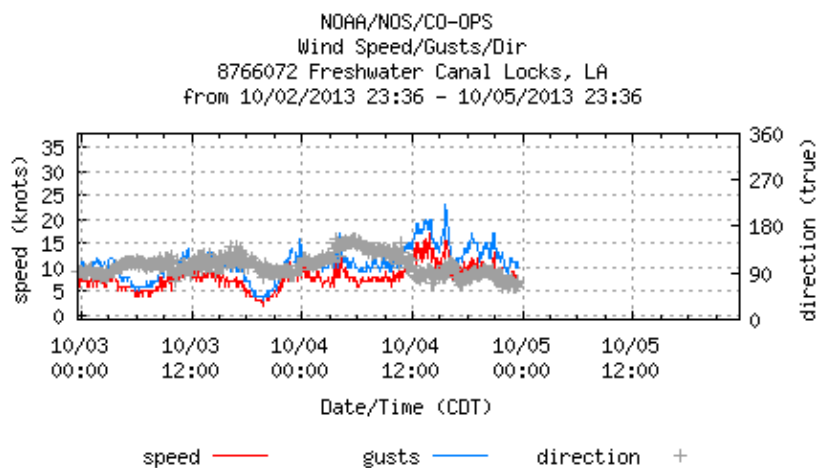


Last Observed Sample: 10/04/2013 23:30 (CDT)

Relative to MLLW: **Observed: 3.15 ft.** **Predicted: 1.33 ft.** **Residual: 1.82 ft.**

Historical Maximum Water Level: Sep 12 2008, 10.13 ft. above MLLW

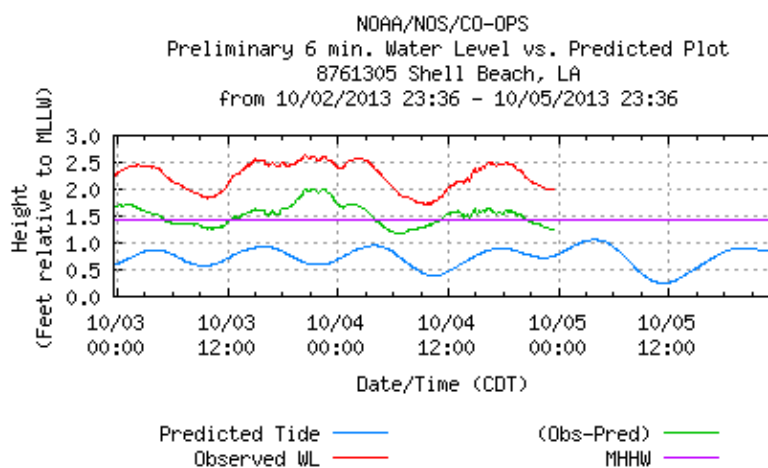
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 10/04/2013 23:30 (CDT)

Wind Speed: 7 knots **Gusts: 10 knots** **Direction: 73° T**

Shell Beach, LA - Return to List

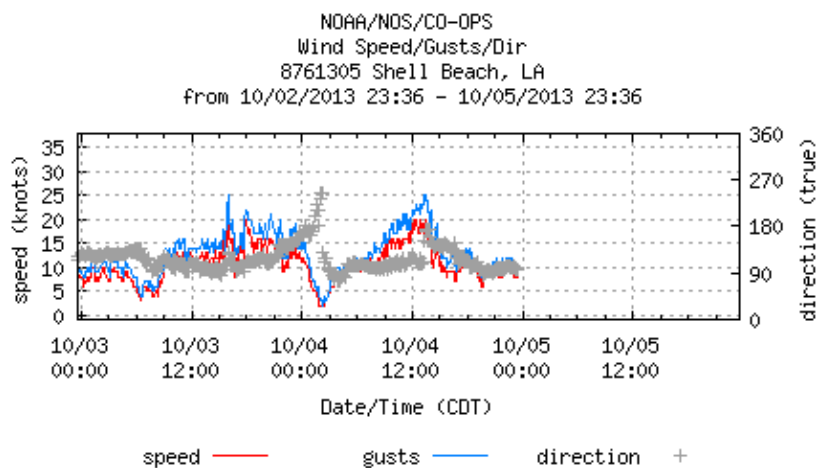


Last Observed Sample: 10/04/2013 23:24 (CDT)

Relative to MLLW: **Observed: 2.00 ft.** **Predicted: 0.75 ft.** **Residual: 1.25 ft.**

Historical Maximum Water Level: Aug 29 2012, 10.88 ft. above MLLW

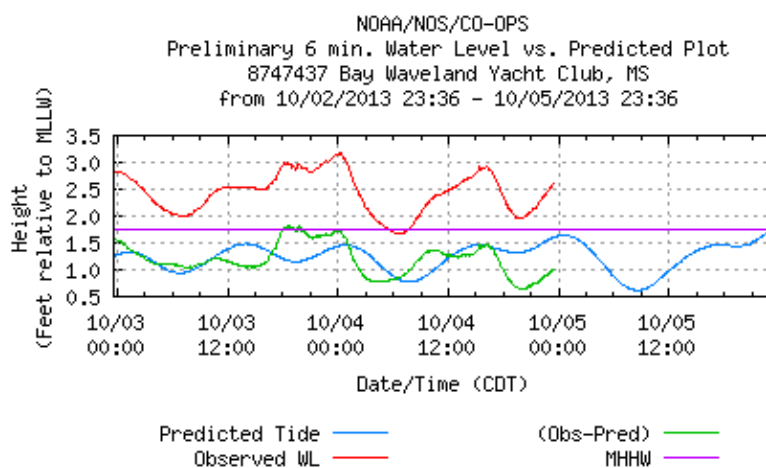
Shell Beach, LA - Return to List



Last Observed Sample: 10/04/2013 23:24 (CDT)

Wind Speed: 8 knots **Gusts: 9 knots** **Direction: 97° T**

Bay Waveland Yacht Club, MS - Return to List

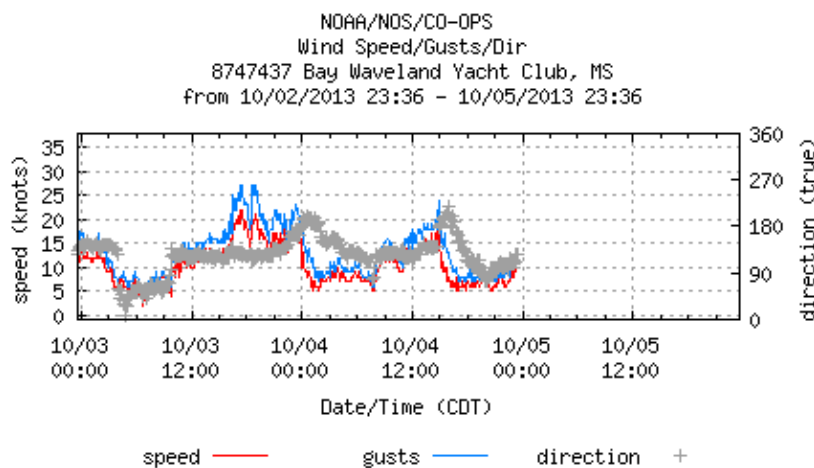


Last Observed Sample: 10/04/2013 23:24 (CDT)

Relative to MLLW: **Observed: 2.60 ft.** **Predicted: 1.60 ft.** **Residual: 1.00 ft.**

Historical Maximum Water Level: Sep 1 2008, 10.89 ft. above MLLW

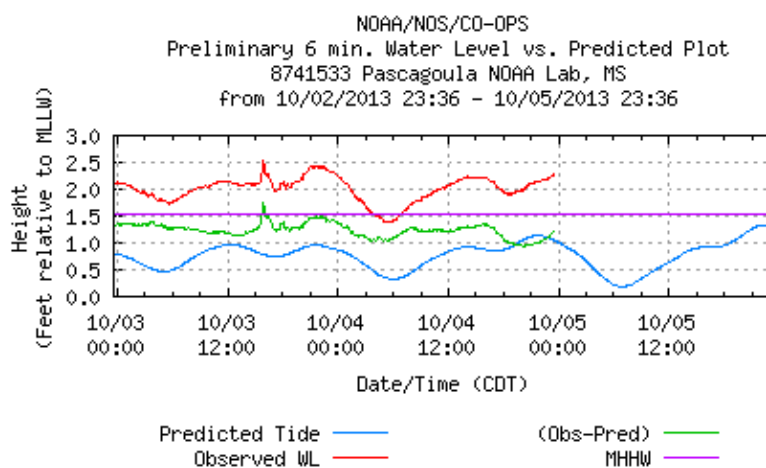
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 10/04/2013 23:24 (CDT)

Wind Speed: 11 knots **Gusts: 13 knots** **Direction: 128° T**

Pascagoula NOAA Lab, MS - Return to List

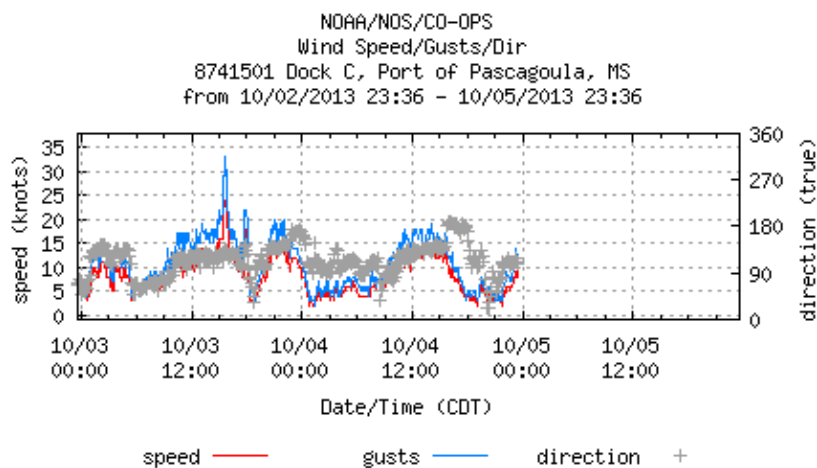


Last Observed Sample: 10/04/2013 23:30 (CDT)

Relative to MLLW: **Observed: 2.28 ft.** **Predicted: 1.05 ft.** **Residual: 1.23 ft.**

Historical Maximum Water Level: Sep 1 2008, 6.43 ft. above MLLW

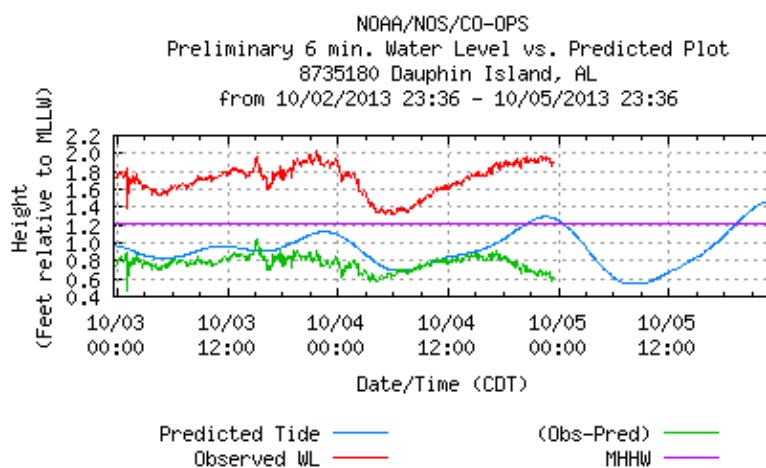
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 10/04/2013 23:30 (CDT)

Wind Speed: 8 knots **Gusts: 10 knots** **Direction: 109° T**

Dauphin Island, AL - Return to List

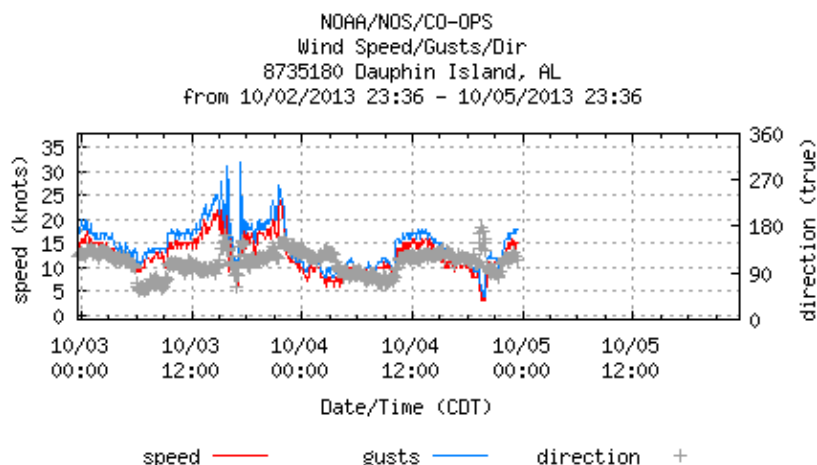


Last Observed Sample: 10/04/2013 23:24 (CDT)

Relative to MLLW: **Observed: 1.90 ft.** **Predicted: 1.28 ft.** **Residual: 0.62 ft.**

Historical Maximum Water Level: Sep 16 2004, 7.14 ft. above MLLW

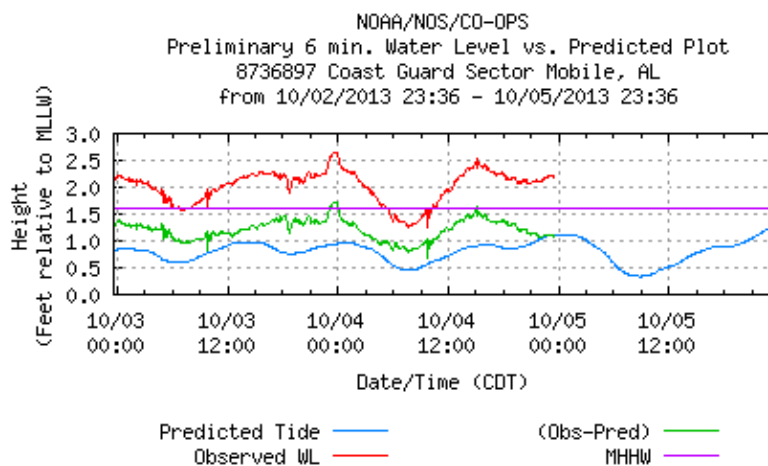
Dauphin Island, AL - Return to List



Last Observed Sample: 10/04/2013 23:24 (CDT)

Wind Speed: 15 knots **Gusts: 18 knots** **Direction: 116° T**

Coast Guard Sector Mobile, AL - Return to List

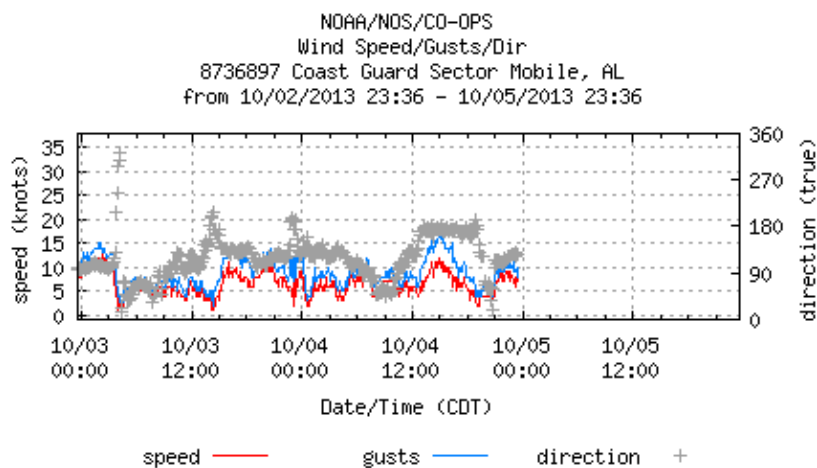


Last Observed Sample: 10/04/2013 23:30 (CDT)

Relative to MLLW: **Observed: 2.19 ft.** **Predicted: 1.11 ft.** **Residual: 1.08 ft.**

Historical Maximum Water Level: Sep 1 2008, 5.41 ft. above MLLW

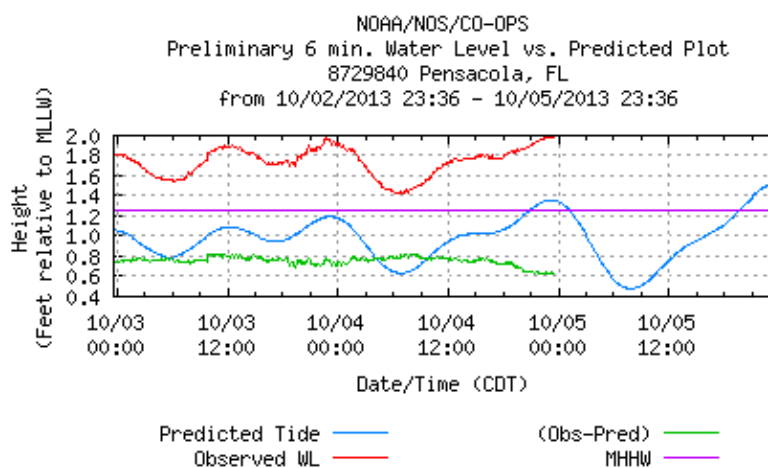
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 10/04/2013 23:30 (CDT)

Wind Speed: 7 knots **Gusts: 8 knots** **Direction: 125° T**

Pensacola, FL - Return to List

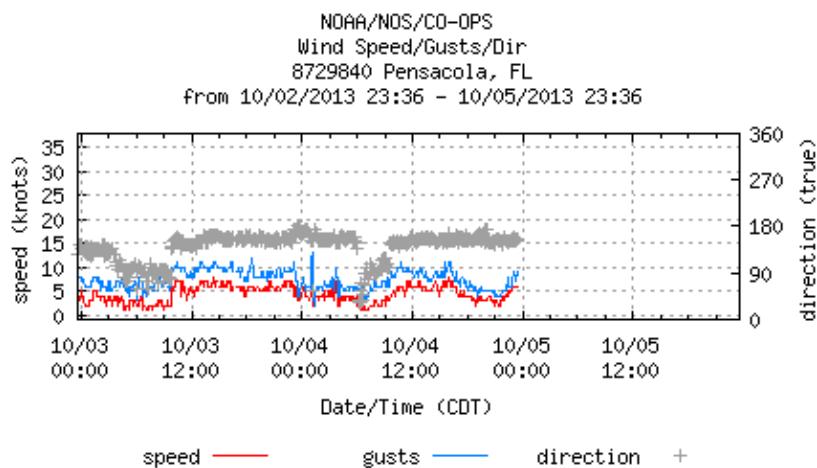


Last Observed Sample: 10/04/2013 23:24 (CDT)

Relative to MLLW: **Observed: 1.99 ft.** **Predicted: 1.36 ft.** **Residual: 0.63 ft.**

Historical Maximum Water Level: Sep 18 1926, 8.67 ft. above MLLW

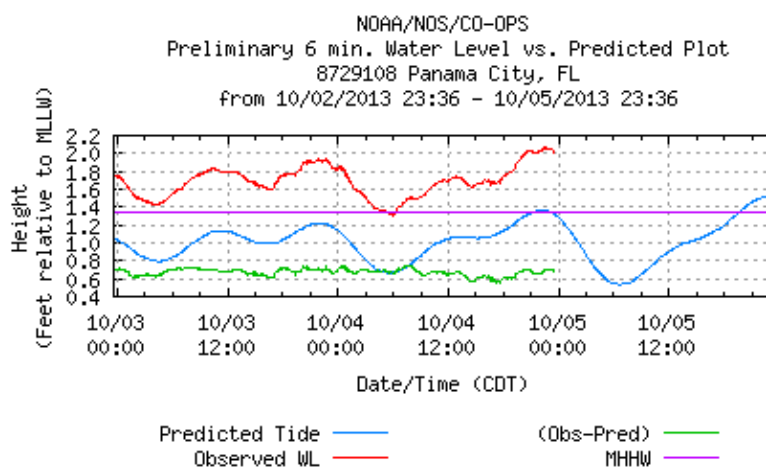
Pensacola, FL - Return to List



Last Observed Sample: 10/04/2013 23:24 (CDT)

Wind Speed: 6 knots **Gusts: 9 knots** **Direction: 155° T**

Panama City, FL - Return to List

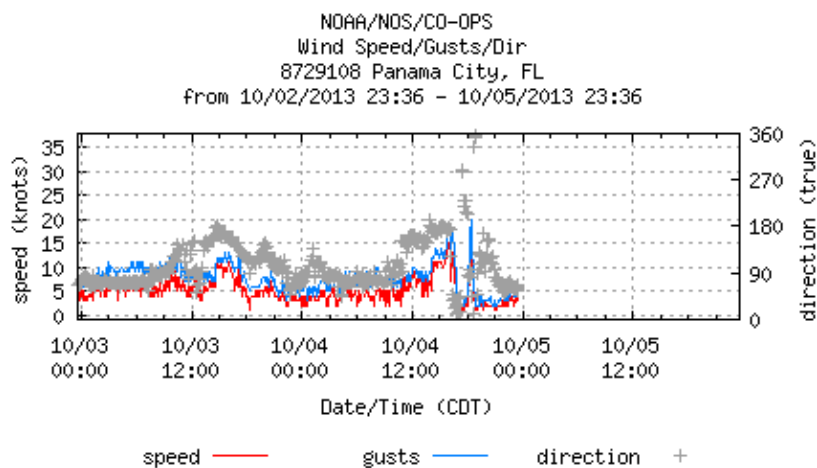


Last Observed Sample: 10/04/2013 23:30 (CDT)

Relative to MLLW: **Observed: 2.01 ft.** **Predicted: 1.32 ft.** **Residual: 0.69 ft.**

Historical Maximum Water Level: Oct 4 1995, 7.06 ft. above MLLW

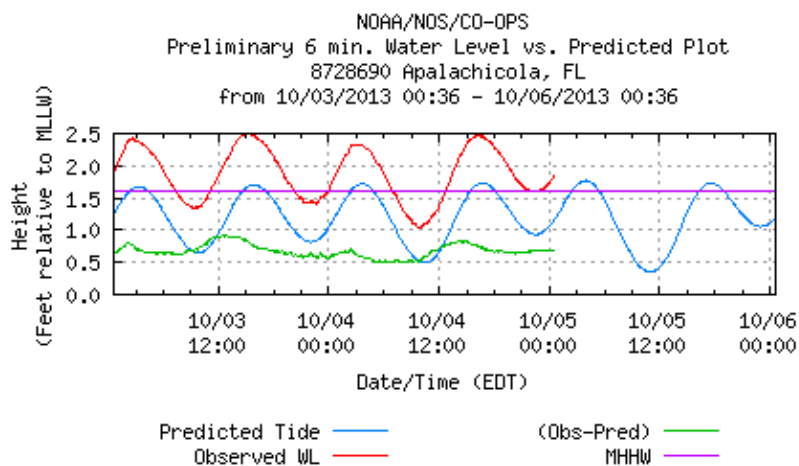
Panama City, FL - Return to List



Last Observed Sample: 10/04/2013 23:30 (CDT)

Wind Speed: 4 knots **Gusts: 5 knots** **Direction: 55° T**

Apalachicola, FL - Return to List

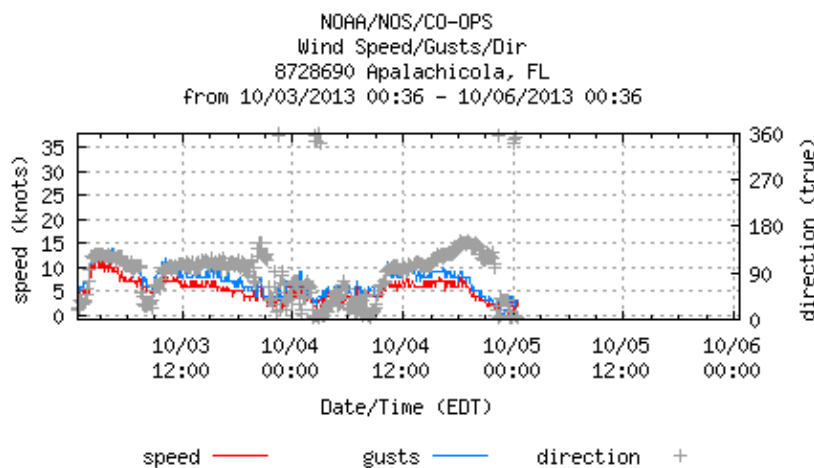


Last Observed Sample: 10/05/2013 00:30 (EDT)

Relative to MLLW: **Observed: 1.84 ft.** **Predicted: 1.16 ft.** **Residual: 0.68 ft.**

Historical Maximum Water Level: Jul 10 2005, 8.04 ft. above MLLW

Apalachicola, FL - Return to List



Last Observed Sample: 10/05/2013 00:30 (EDT)

Wind Speed: 2 knots **Gusts: 3 knots** **Direction: 3° T**